

ABSTRACT

An active material powder mixture for batteries or a
5 carbonaceous material powder mixture for electrical double-
layer capacitors is composed of a battery active material or
a carbonaceous material in combination with an electrically
conductive powder that adheres to the periphery of the
active material or carbonaceous material and has an average
10 particle size of 10 nm to 10 μ m. The battery active
material powder mixture may be used to make electrodes for
secondary batteries. The carbonaceous material powder
mixture may be used to make polarizable electrodes for
electrical double-layer capacitors. Secondary cells
15 produced using the active material powder mixture can
lower an impedance of an electrode and operate at a high
capacity and a high current, have a high rate property, and
are thus well-suited for use as lithium secondary cells and
lithium ion secondary cells. Electrical double-layer
20 capacitors made using the carbonaceous material powder
mixture have a high output voltage and a high capacity
because of a low impedance.